

10/29, 363

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L32	0	(nonwoven non-woven unwoven) same underlayment same adhesive	DERWENT	OR	OFF	2005/09/13 13:46
L33	245	((nonwoven non-woven unwoven) same adhesive) and (floor flooring)	DERWENT	OR	OFF	2005/09/13 13:46
L34	38	33 and foam	DERWENT	OR	OFF	2005/09/13 13:46
L30	29	(nonwoven non-woven) with floor with (adhesive near2 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:45
L31	4	("4138521").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:45
L29	29	(nonwoven non-woven) with floor with (adhesive near2 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:32
L28	51	(nonwoven non-woven) with floor with absorbing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:24
L27	2058	(nonwoven non-woven) and floor and absorbing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:17
L14	44	fernando.in. same stroppiana.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:06
L15	6	14 and floor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:06
S2	44	fernando.in. same stroppiana.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 13:05
L13	16	floor and underlay and (nonwoven non-woven) and absorbing	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 13:00

L12	17	("3785913" "3980511" "4138521" "4160060" "4187337" "4279958" "4418108" "4500591" "4522857" "4557774" "4575886" "4647484" "5080944" "5082705" "5114773" "5501895").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 12:59
L11	9	("4138521").URPN.	USPAT	OR	OFF	2005/09/13 12:50
L8	57	2 and (nonwoven non-woven)	USPAT	OR	OFF	2005/09/13 12:46
L9	1	4 and (nonwoven non-woven)	USPAT	OR	OFF	2005/09/13 12:46
L10	4	("4138521").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 12:46
L5	17	("4698258").URPN.	USPAT	OR	OFF	2005/09/13 12:45
L6	0	5 and granules	USPAT	OR	OFF	2005/09/13 12:45
L7	4	5 and particles	USPAT	OR	OFF	2005/09/13 12:45
L4	2	("4698258").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 12:44
L3	27	2 and floor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 12:43
L2	282	foamable same granules	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 12:38
L1	4	("3272688").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 12:37
S1	1	10/729,363	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:05
S20	67	S19 and ((silica or polyester) near3 fibers)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 09:16
S22	2	("6022818").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 09:16

S23	2	("5508102").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 09:16
S5	159518	(sandwich laminate composite) and (core intermediate middle) and layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:55
S19	531	S5 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:55
S21	112	S19 and ((glass or silica or polyester) near3 fibers)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:55
S8	246	S7 and (pvc or (polyvinyl adj chloride))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:54
S17	4	("3269887" "4051296" "4477707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 08:54
S18	1935	core near5 (pvc or (polyvinyl adj chloride))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:54
S16	6	("5019197").URPN.	USPAT	OR	OFF	2005/09/13 08:51
S14	10	((("4469543") or ("4770929") or ("5560985") or ("5354604") or ("5344687"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:50
S15	12	((("4938819") or ("5019197") or ("4317939") or ("4399236") or ("4339358"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:50
S12	3386	S11 and (pvc or (polyvinyl adj chloride))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:44
S13	4	("3272688").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:44
S9	199	S8 and fiber\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:41

S10	207063	substrate and (flooring wall tile carpet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:41
S11	21275	S5 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:41
S6	14781	S5 and floor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:25
S7	750	S6 and impregnation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:25
S4	2180	(442/381,394,396,417,164,172, 173).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/13 08:24
S3	20	(subfloor or sub-floor) and laminate and plastisol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/12 16:15

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(54) **SYNTHETIC MATERIAL SHEET FOR STABILIZING COVERINGS**

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(52) U.S. Cl. **442/381; 442/394; 442/396; 442/415; 442/417; 442/164; 442/172; 442/173; 427/372.2; 427/430.1**

(75) Inventor: **Fernando Stroppiana**, Grinzane Cavour (IT)

Correspondence Address:
SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVE
SUITE 6300
SEATTLE, WA 98104-7092 (US)

(57) **ABSTRACT**

The present invention relates to a flexible sheet having a composite structure for stabilizing coatings, comprising a first layer of fiber material and a second layer of fiber material impregnated by a first and a second impregnating material, respectively, and a body layer set between said first layer and said second layer according to a general sandwich structure, where the body layer consists of a third material. The first and the second impregnating materials and the third material constituting the body layer are polymeric materials presenting a substantial affinity, so that the flexible sheet has a physically heterogeneous and chemically homogeneous structure.

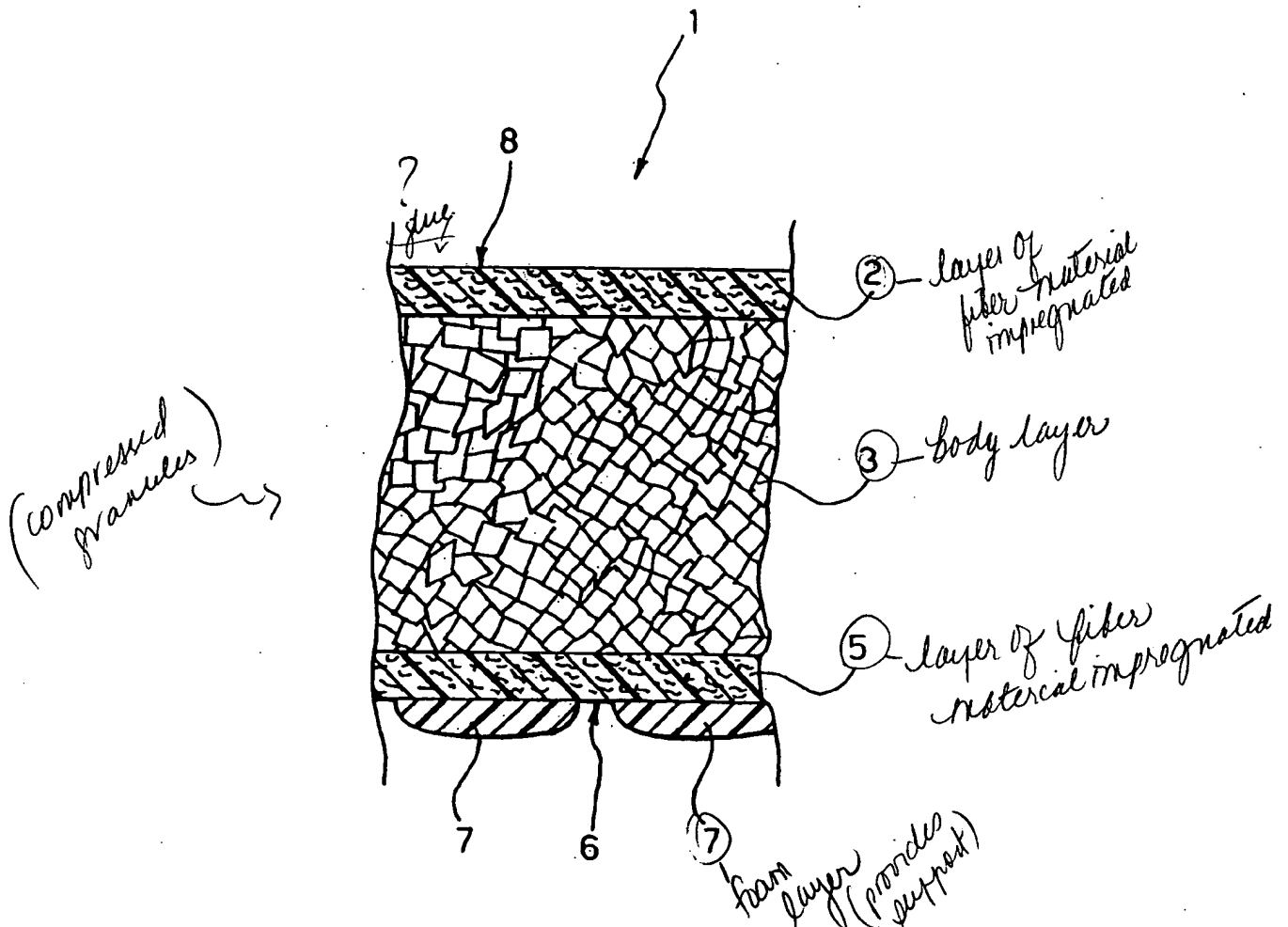
(73) Assignee: **Mondo S.p.A.**, Gallo d'Alba (IT)

(21) Appl. No.: **10/729,363**

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(30) **Foreign Application Priority Data**

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Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 42 5752

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translation

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DE 195 44 451 A (BASF AG) 5 June 1997 (1997-06-05) * column 1, last paragraph; claims *	1,2,4,7	B32B27/12 E04F15/10
X	EP 0 781 648 A (DANUBIA PETROCHEM POLYMERE ; LENSER KUNSTSTOFF PRESS (DE)) 2 July 1997 (1997-07-02) * page 2, line 40 - line 41; claims; example 1 * * page 3, line 9 - line 16 * * page 3, line 37 - line 52 *	1-4	
X	EP 0 771 644 A (BAYERISCHE MOTOREN WERKE AG ; BAYER AG (DE)) 7 May 1997 (1997-05-07) * column 1, paragraph 1; claims 1-4,7; example 3 * * column 2, line 31 - line 47 * * column 3, line 13 - line 16 *	1	
D,A	EP 0 203 042 A (MONDO RUBBER SPA) 26 November 1986 (1986-11-26) * page 2, last paragraph - page 3, line 7; claims 1-4,9; figure 2 * * page 4, paragraph 1 - paragraph 2 * * page 7, line 17 - page 9, line 17 *	1-4,14	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B32B E04F
A	US 3 272 688 A (SMITH MERRILL M ET AL) 13 September 1966 (1966-09-13) * column 1, line 18 - line 22; figure 4 * * column 1, line 53 - line 57 * * column 4, line 23 - line 33 * * column 4, line 59 - line 64 *	1-9	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 May 2003	Examiner Pamies Olle, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 (03.02) (P04D01)